

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
24 June 2004 (24.06.2004)

PCT

(10) International Publication Number  
**WO 2004/053763 A1**

(51) International Patent Classification<sup>7</sup>: **G06F 17/60**

(21) International Application Number:  
PCT/US2002/039248

(22) International Filing Date: 6 December 2002 (06.12.2002)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant (for all designated States except US): **IMS HEALTH INCORPORATED** [US/US]; 660 West Germantown Pike, Plymouth Meeting, PA 19462 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **BADGER, David, Warren** [US/US]; 528 W. Mt. Vernon Street, Lansdale, PA 19446 (US). **BENNER, Dale** [US/US]; 1306 School House Road, Pennsburg, PA 18073 (US). **WALDMAN, Elizabeth, Ann** [US/US]; 3 Devon Drive, New Hope, PA 18938 (US). **MARATHE, Girish** [IN/US]; 1111 Whippain

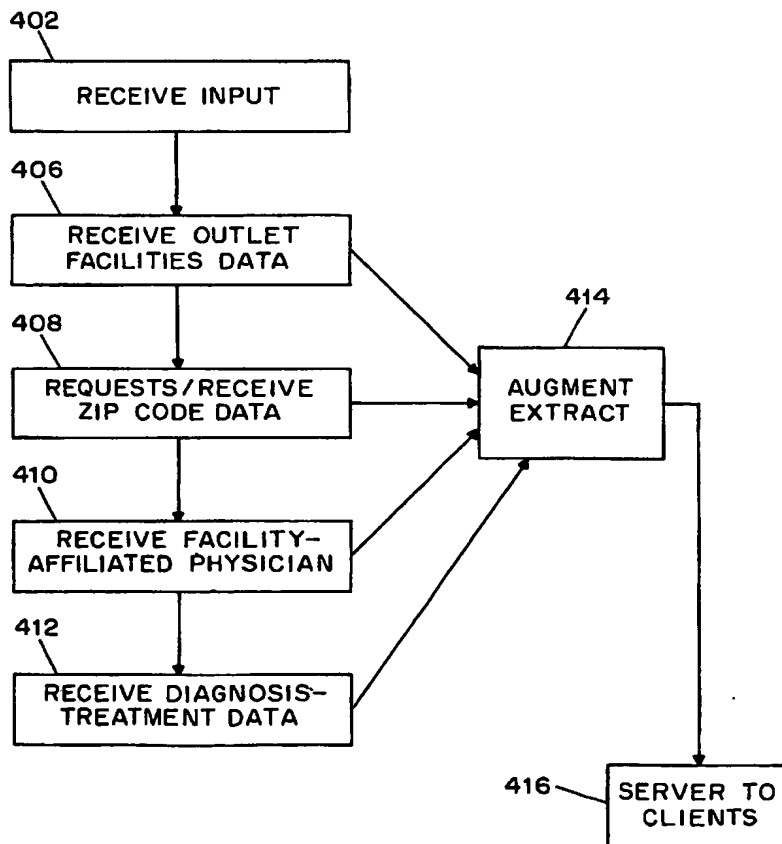
Hills, Blue Bell, PA 19422 (US). **HERRON, Marjory, Beth** [US/US]; 105 Jonathan Drive, North Wales, PA 19454 (US). **DEWITT, Steven, L.** [US/US]; 170 Cotton Street, #207, Philadelphia, PA 19127 (US). **TRINH, Gary** [US/US]; 32 Pear Tree Lane, Lafayette Hill, PA 19444 (US). **STOVER, David, J.** [US/US]; 1087 Soffa Road, East Greenville, PA 18041 (US). **SORIA, Luis** [US/US]; 710 Ringwood Avenue, Pompton Lakes, NJ 07422 (US).

(74) Agent: **RAGUSA, Paul, A.**; Baker Botts LLP, 30 Rockefeller Plaza, New York, NY 10112-4498 (US).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

[Continued on next page]

(54) Title: A SYSTEM AND METHOD FOR INTER-RELATING MULTIPLE DATA TYPES



(57) Abstract: A system and method of inter-relating multiple data types to provide a comprehensive data output reflecting non-retail sales of pharmaceuticals is disclosed. In particular, the system and method of the present invention provides for receiving non-retail pharmaceutical delivery information of pharmaceuticals deliver to outlets from manufacturers or distributors, where the data is primarily inconsistent and features many voids (102, 104, 202-204). The present invention inter-relates one or more reference datum from other sources (402-412) in a cross relational manner to ensure that voided fields in the pharmaceutical deliver information are populated and/or verified (414). The present invention also provides means to configure pre-defined queries of the data extract for efficient service of reports for clients (416).



**(84) Designated States (regional):** ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

— with international search report

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*